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CATALOGUE

OF

WILLIAM SMITH COLLEGE

GENEVA, NEW YORK

1910-1911

Hobart College Bulletins : Vol IX., No. 2, Part 1, January, 1911
Published by Hobart College, Geneva, N. Y. Issued quarterly. Entered October 28, 1902 at Geneva, N. Y., as second-class mail matter under Act of Congress of July 16, 1894.

1911

APRIL	MARCH	FEB.	JAN.	Sunday
2	2	..	1	
9	9	5	8	
16	16	12	15	
23	23	19	22	
30	30	26	29	
3	3	6	2	Monday
10	10	13	9	
17	17	20	16	
24	24	27	23	
..	31	..	30	
4	4	7	3	Tuesday
11	11	14	10	
18	18	21	17	
25	25	28	24	
..	..	..	31	
5	5	1	4	Wednesday
12	12	8	11	
19	19	15	18	
26	26	22	25	
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6	6	2	5	Thursday
13	13	9	12	
20	20	16	19	
27	27	23	26	
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7	7	3	6	Friday
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AUG.	JULY	JUNE	MAY	Sunday
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28	24	26	22	
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8	4	6	2	Tuesday
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29	25	27	23	
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9	5	7	3	Wednesday
16	12	14	10	
23	19	21	17	
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10	6	1	4	Thursday
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24	20	15	18	
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11	7	2	5	Friday
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12	8	3	6	Saturday
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DEC.	NOV.	OCT.	SEPT.	Sunday
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5	..	3	5	Tuesday
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26	21	24	26	
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6	..	4	6	Wednesday
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1912

APRIL	MARCH	FEB.	JAN.	Sunday
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23	26	27	23	
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DEC.	NOV.	OCT.	SEPT.	Sunday
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24	26	22	24	
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4	6	2	4	Wednesday
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5	7	3	5	Thursday
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7	2	5	7	Saturday
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FOUNDATION AND PURPOSE

The object of this College is to provide a thoroughly modern education in the arts and sciences, both as the needed introduction to professional or technical training and as an important preparation for civic life and duty. Those in authority will encourage well-directed specialization to any extent not inconsistent with the character of the institution, but it will remain their controlling purpose so to inform and develop the moral and intellectual life of their students as to render them fit for efficient citizenship and the service of God and their fellows.

On April 12, 1822, the Regents of the University of the State of New York approved a plan for raising Geneva Academy to college rank and granted a provisional charter to GENEVA COLLEGE; on February 8, 1825, they granted a permanent charter. Instruction began in 1822 in Geneva Hall, and in 1826 the first class was graduated. Bishop John Henry Hobart was the chief agency in the movement, extending over ten years, for this foundation. The charter members of the Corporation included clergy and laity of several churches, those of the Protestant Episcopal Church being in the majority.

The permanent charter provides that no ordinance, rule or order of the Board of Trustees shall "extend to exclude any person of any religious denomination whatever from equal liberty and advantage of education, or from any of the degrees, liberties, privileges, benefits or immunities of said College, on account of his particular tenets in religion." From the first the policy of the College has been in accord with the spirit of this provision.

No religious tests have been applied in the case of Trustees, Faculty or students, and the institution, although it has been largely indebted for its support to the generous gifts and contributions of certain individuals and organizations of the Protestant Episcopal Church, has always been independent of the control of any ecclesiastical organization.

The educational plans of the founders seem to have been exceptionally broad and farsighted. At its first meeting the Corporation resolved to establish, in addition to the regular Classical Course, "another or English Course, to which students may be admitted and upon passing through which they shall receive, upon approved examination, an English diploma." This course, which is said to have been the first of its kind in this country, has been maintained from the beginning; it is now a fully equipped Scientific Course.

In the original endowment of the College the principal item was a sum of money raised by general subscription mainly in Geneva and its vicinity; next in value was an annual allowance from the Protestant Episcopal Society for Promoting Religion and Learning in the State of New York. A noteworthy benefaction was that of Trinity Church, New York, in 1851, amounting to $3,000 annually, one of the results of which was the change in 1852 of the title of the College to Hobart Free College, which was further modified in 1860 to HOBART COLLEGE.

The following professorships represent special endowments:—The Charles Startin Professorship, established in 1825 by Bishop Hobart out of a legacy left by Mrs. Sarah Startin of New York; the Hobart Professorship, founded in 1852 by friends of the College in co-operation

with the Society for Promoting Religion and Learning; the Horace White Professorship, established in 1861 by the legacy of Horace White of Syracuse; the Prendergast Professorship, founded in 1862 by Mrs. Deborah Prendergast of Mayville; the Chaplaincy, endowed in the same year by the late John Hewett Swift of New York. Important gifts for other purposes are noticed in the account of the equipment. The largest benefactions received by the Corporation in recent years, apart from the Smith Foundation, have been the gifts of the late Mrs. Julia Douglas Merritt, the legacies of the late James Simons, the gifts of Mrs. Agnes Demarest of Buffalo, the Medbery Scholarship Fund, the Bishop Coxe Memorial Hall, the legacy of the late Matthew O'Neill, the gifts of Mrs. Charles Delamater Vail of Geneva, and the gift of Mrs. T. J. Emery of Cincinnati, Ohio.

In September, 1908, the Trustees of Hobart College opened WILLIAM SMITH COLLEGE for the separate instruction of women. Through the generosity of William Smith, Esq., of Geneva, who erected and has for many years maintained the well-known Smith Observatory in Geneva, the sum of approximately four hundred and seventy-five thousand dollars (to which sum twenty-five thousand dollars was added in July, 1909) was in December, 1906, offered to the Trustees for the purpose of founding a College for Women. On December 11 the Board by a unanimous vote resolved to accept the proposal; on December 13 the deed of gift was signed. William Smith College is accordingly under the management and supervision of the President and Trustees of Hobart College. Its affairs are, under their general direction, in charge of a special officer, the Dean of William Smith College.

The new College is, therefore, in its relations to Hobart College what is known as a co-ordinate institution. The work of the two Colleges is conducted independently by a common Faculty, upon whose recommendation the Corporation of Hobart College grants to the students of both institutions the same degrees. In accordance with this plan the Chemical Laboratory and the Physical Laboratory of Hobart College are used by the women of William Smith College at different times from the men, and the Biological and Psychological Laboratories provided by the Smith Foundation are accessible under similar conditions to the men of Hobart College. The Library is open to Hobart and Smith students alike.

COLLEGE CALENDAR FOR 1910-1912

Dec. 23,	Friday,	CHRISTMAS RECESS begins, 6 P. M.
Jan. 9,	Monday,	Christmas Recess ends, 2 P. M.
Jan. 17,	Tuesday,	Meeting of the Trustees.
Jan. 23,	Monday,	Semi-annual Examinations begin.
Feb. 6,	Monday,	SECOND TERM begins.
April 12,	Wednesday,	Easter Recess begins, 1 P. M.
April 24,	Monday,	Easter Recess ends, 2 P. M.
May 30,	Tuesday,	Decoration Day.
May 31,	Wednesday,	Semi-annual Examinations begin.
June 10,	Saturday,	Phi Beta Kappa Meeting.
June 11,	Sunday,	Baccalaureate Sunday.
June 14,	Wednesday,	Meetings of the Trustees and of Phi Beta Kappa.
June 15,	Thursday,	COMMENCEMENT DAY.
Sept. 18,	Monday,	Entrance Examinations begin.
Sept. 20,	Wednesday,	FIRST TERM begins. Registration, 9 A. M.
Nov. 7,	Tuesday,	Election Day.
Nov. 29,	Wednesday,	Thanksgiving Recess begins, 1 P. M.
Dec. 4,	Monday,	Thanksgiving Recess ends, 8:45 A. M.
Dec. 13,	Wednesday,	Founder's Day.
Dec. 20,	Wednesday,	Christmas Recess begins, 12 M.
Jan. 4,	Thursday,	Christmas Recess ends, 8:45 A. M.
Jan. 16,	Tuesday,	Meeting of the Trustees.
Jan. 29,	Monday,	Semi-annual Examinations begin.
Feb. 12,	Monday,	SECOND TERM begins.
April 3,	Wednesday,	Easter Recess begins, 1 P. M.
April 15,	Monday,	Easter Recess ends, 2 P. M.
May 30,	Thursday,	Decoration Day.
June 5,	Wednesday,	Semi-annual Examinations begin.
June 15,	Saturday,	Phi Beta Kappa Meeting.
June 16,	Sunday,	Baccalaureate Sunday.
June 18,	Tuesday,	Class Day.
June 19,	Wednesday,	Meetings of the Trustees and of Phi Beta Kappa.
June 20,	Thursday,	COMMENCEMENT DAY.

TRUSTEES OF HOBART COLLEGE

The Corporation which conducts William Smith College

DOUGLAS MERRITT, Esq.,
Chairman.

PHILIP NORBORNE NICHOLAS, A.M.,
Secretary.

	First Elected	Term Expires
CHARLES R. WILSON, A.M., Buffalo,	1895	1911
FRANK E. BLACKWELL, A.M., New York,	1897	1911
WILLIAM M. V. HOFFMAN, Esq., New York,	1897	1911
The Rev. ALEXANDER MANN, A.M., D.D., Boston,	1910	1911
THOMAS H. CHEW, B.S., Geneva,	1910	1912
DOUGLAS MERRITT, Esq., Rhinebeck,	1885	1912
THEODORE J. SMITH, A.M., Geneva,	1907	1912
HENRY AXTELL WHEAT, B.S., Geneva,	1907	1912
Miss HARRIET B. POPE, Geneva,	1910	1913
JAMES ARMSTRONG, A.M., LL.D., New York,	1898	1913
The Rev. E. WORCESTER, Ph.D., D.D., Boston,	1900	1913
CHARLES P. BOSWELL, A.M., Rochester,	1899	1913
The Rev. JOHN P. PETERS, Ph.D., D.D., New York,	1903	1914
HENRY B. GRAVES, Esq., Geneva,	1907	1914
MRS. ANNA B. COMSTOCK, Ithaca,	1907	1914
HENRY A. PRINCE, A.M., New York,	1910	1914
PHILIP N. NICHOLAS, A.M., Geneva,	1884	1915
JOHN K. WALKER, A.B., Buffalo,	1903	1915
D. J. VAN AUKEN, Esq., Geneva,	1899	1915
*EDWARD G. HERENDEEN, A.M., Elmira,	1899	1915
The Rt. Rev. THE BISHOP OF WESTERN NEW YORK, *ex-officio.*		
THE PRESIDENT OF THE COLLEGE, *ex-officio.*		

TREASURER AND BURSAR OF HOBART COLLEGE

D. J. VAN AUKEN, Esq., Geneva.
Office: Room 7, Coxe Memorial Hall.

*Deceased.

Standing Committees of the Trustees

1910–1911

Executive

THE PRESIDENT, Chairman,
MR. NICHOLAS, MR. VAN AUKEN, MR. SMITH,
MR. GRAVES, MR. WHEAT, MR. CHEW.

On Buildings and Grounds

THE PRESIDENT, Chairman,
MR. WILSON, MR. HOFFMAN, MR. VAN AUKEN,
MR. BOSWELL, MR. HERENDEEN, MR. SMITH,
REV. DR. MANN.

On Honors

REV. DR. PETERS, Chairman,
MR. BLACKWELL, MR. ARMSTRONG, MR. PRINCE,
THE PRESIDENT.

On Instruction

MR. WALKER, MR. GRAVES, MRS. COMSTOCK,
MISS POPE.

On the Library

MR. MERRITT, Chairman,
MR. BOSWELL, MR. WHEAT, MR. CHEW,
MISS POPE, THE PRESIDENT.

FACULTY

The Rev. LANGDON CHEVES STEWARDSON, A.B. (Kenyon), LL.D. (Kenyon, Alfred),
President.

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Professor of the Greek Language and Literature.

CHARLES DELAMATER VAIL, A.B., A.M., L.H.D. (Hobart),
Professor Emeritus of Rhetoric and Elocution and the English Language and Literature. Librarian Emeritus.

FRANCIS PHILIP NASH, A.B., A.M., LL.B. (Harvard), L.H.D. (Trinity, Hartford), LL.D. (Union),
Professor Emeritus of the Latin Language and Literature.

WILLIAM PITT DURFEE, A.B., (Michigan), Ph.D. (Johns Hopkins),
Professor of Mathematics.

MILTON HAIGHT TURK, A.B. (Columbia), A.M., Ph.D. (Leipsic),
Dean of William Smith College.
Horace White Professor of Rhetoric and Elocution and the English Language and Literature.

JOHN ARCHER SILVER, A.B., A.M. (Princeton), Ph.D. (Johns Hopkins),
Professor of History.

WILLIAM ROBERT BROOKS, A.M., (Hobart), D.Sc. (Hamilton), F.R.A.S.,
Professor of Astronomy.

ARTHUR AVERY BACON, A.B., A.M. (Dartmouth),
Prendergast Professor of Physics. Secretary of the Faculty.

JOHN ERNEST LANSING, A.B., A.M. (Harvard),
Professor of Chemistry.

WILLIS PATTEN WOODMAN, A.B., A.M., Ph.D. (Harvard),
Hobart Professor of the Latin Language and Literature.

EDWARD JOHN WILLIAMSON, A.B., A.M. (Queen's), Ph.D. (Chicago),
Professor of the German Language and Literature.

ROBERT MILLS BEACH, B.D. (Ep. Theo. Sch.), Ph.D. (Pennsylvania),
Professor of Romance Languages and Literatures.

ELON HOWARD EATON, A.B., A.M. (Rochester),
Professor of Biology. Curator of the Museum.

JAMES MICKEL WILLIAMS, A.B. (Brown), B.D. (Union Theo. Sem.), Ph.D. (Columbia),
Professor of Economics and Sociology.

JOHN MUIRHEID, A.B., A.M.(Columbia),
Assistant Professor of Rhetoric, Elocution and English.

FOSTER PARTRIDGE BOSWELL, A.B. (Hobart), A.M., Ph.D. (Harvard),
Assistant Professor of Psychology.

HERBERT HILARION YEAMES, A.B., A.M. (Harvard),
Assistant Professor of Greek and Latin. Librarian.

WINFIELD SUPPLY BARNEY, A.B. (Dartmouth),
Instructor in Romance Languages.

WILLIAM IRVING LYON,
Instructor in Music.

STODDARD STEVENS MORE, A.B. (Michigan),
Instructor in Modern Languages.

ERNEST WOODWARD DEAN, A.B. (Clark),
Instructor in Chemistry.

WILLIAM CONE SPARKS,
Physical Director.

MARIAN EDWARDS RICHARDS, A.B., A.M. (Smith),
Instructor in Rhetoric and English.

ISABELLA DIXON RICE, A.B. (Mt. Holyoke),
Registrar. Instructor in Pedagogy.

FRANK ELBERT WATSON, B.S., A.M. (Brown),
Instructor in Biology.

WILLARD LOUIS OSBORN, A.B. (Clark),
Instructor in Mathematics and Physics.

MRS. KATHARINE M. HUSSEY,
House Mistress.

JOHN CHRISTFIELD DONNELL, A.B. (Hobart),
Assistant Secretary.

FANNIE BURNETT ANDREWS,
Secretary to the President.

JULIAN SABIN FOWLER,
Assistant Librarian.

Standing Committees of the Faculty

On Requirements and Degrees

THE PRESIDENT, THE DEAN, PROF. DURFEE.

On the Schedule

THE DEAN, PROF. DURFEE, THE SECRETARY.

On the Library

PROF. MCDANIELS,

THE LIBRARIAN, PROF. DURFEE, PROF. TURK,

PROF. SILVER, PROF. BEACH, PROF. EATON.

On Public Lectures

PROF. MUIRHEID, PROF. WILLIAMSON, PROF. WILLIAMS.

ADMISSION

Candidates for Admission should address all correspondence regarding entrance, courses of instruction, expenses, rooms, etc., to the Dean of the College. Applications for admission and rooms are made out on blanks furnished by him. On arriving in Geneva, entering students will receive the rooms reserved for them from the House Mistress.

Registration. All students must appear for registration promptly at nine o'clock on Wednesday morning, September 20th, in the Office of the Dean, 10 Smith Hall. Candidates for admission must send to the Dean before this time certificates specifying precisely all credits which they wish to offer for entrance; if they come from other colleges, they must present from those institutions certificates of dismission in good standing, with an exact statement of the entrance and advanced credits to which they are entitled.

The Courses of Instruction are the Course in Arts, leading to the degree of Bachelor of Arts, and the Scientific Course, leading to the degree of Bachelor of Science.

A Teachers' Training Department has, with the approval of the Regents, been established; graduates who have completed this work will be entitled to receive the College Graduate Professional Certificate without examination. (For courses in this department see under Pedagogy, page 43.)

Advanced Standing. Candidates who have pursued at other colleges studies equivalent to those of this college will, on presentation of their records and letters of

honorable dismission, receive credit toward advanced standing. Those who have completed at preparatory schools advanced work in languages and sciences may receive college credit for such work only by passing college examinations.

REQUIREMENTS FOR ADMISSION

I. **By Examination.** Candidates may be admitted to either course by passing examination on 29 units of preparatory work as detailed below. The regular Entrance Examinations will be held on Monday and Tuesday, September 18th and 19th. Examinations held by the College Entrance Examinations Board will be accepted in place of the examinations conducted by this College.

II. **By Diploma or Certificate.** The new Regents' College Entrance Diploma will be accepted for admission (the Arts Diploma to either Course and the Science Diploma to the Scientific Course.) Like privileges will be granted to holders of other Regents' Diplomas so far as they may be found equivalent to the College Entrance Diploma. Applicants can have this question determined by sending to the Dean a written statement showing exactly what work their Diplomas represent. Graduates of approved high schools or preparatory schools may be admitted with slight conditions; but non-graduates must in all cases present the full entrance requirements in either Arts or Science. No exception will be made in the case of those who may desire after entrance to take a special course.

Students who have recently pursued at approved schools studies equivalent to the following requirements, are admitted on probation without examination, on presentation of a certificate from the Principal of the School.

TABLE OF REQUIREMENTS

Arts Course (A.B.)		Scientific Course (B.S.)	
One unit represents one half-year's daily work in school.			
English	6	English	6
Algebra	2	Algebra	2
Plane Geometry	2	Plane Geometry	2
Latin	8	First foreign lang. (2 yrs.)	4
Second foreign lang. (2 yrs.)	4	Second foreign lang. (2 yrs.)	4
History	2	History	2
Electives	5	One science	2
	—	Electives	7
	29		—
			29

Possible Electives

First foreign language (3d year)	2
Second foreign language (3d year)	2
Third foreign language (2 years)	4
History	1 or 2
Physics	2
Chemistry	2
Physical Geography	2
Zoology	2
Botany	2
Intermediate Algebra	1
Advanced Algebra	1
Solid Geometry	1
Trigonometry	1
Drawing	1
Advanced Drawing	1

All candidates for entrance must qualify for admission in one of the above courses. Students so qualified who are not candidates for a degree may, with the permission of the Dean, pursue other than the regular Arts or Science courses; but such consent will only be given for reasons of weight, and such courses must be fully equal in amount to a regular course.

ENTRANCE SUBJECTS IN DETAIL

CLASSICS

Greek. Greek Grammar, including metrical scansion and prosody of Homeric verse. Xenophon's Anabasis, Books I—IV; Homer's Iliad, Books I—III (omitting the catalogue of ships). Practice in elementary Greek composition for one year.

The above specifications have in mind candidates admitted either by certificate or on examination. Applicants may offer as an alternative an examination on the following subjects: (1) The translation at sight of passages of Attic prose and of Homer's Iliad; the ability to answer questions on ordinary forms and constructions, and on Prosody. (2) A thorough test on Xenophon's Anabasis, Book I, Chap. IX, and Book II, as to the candidate's knowledge of forms and syntax. (3) The translation into Attic Greek of an English passage taken from Books I—IV of the Anabasis. Any student admitted by certificate who in addition passes Test (3) will receive special credit, and be enrolled as a probable candidate for the Honor Courses.

For Greek the credit is *six units*.

Latin. The requirements are those adopted by the Commission on College-Entrance Requirements in Latin in October, 1909.

I. Amount and Range of the Reading Required

1. The Latin reading required, without regard to the prescription of particular authors and works, shall be not less *in amount* than Cæsar, Gallic War, I–IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Virgil, Aeneid, I–VI.

2. The amount of reading specified above shall be selected by the schools from the following authors and works: Cæsar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters, and De Senectute) and Sallust (Catiline and Jugurthine War); Virgil (Bucolics, Georgics, and Aeneid) and Ovid (Metamorphoses, Fasti, and Tristia).

II. Subjects and Scope of the Examinations

1. *Translation at Sight.* Candidates will be examined in translation at sight of both prose and verse. The vocabulary, constructions, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

2. *Prescribed Reading.* Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Virgil, Aeneid, I, II, and either IV or VI, at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

3. *Grammar and Composition.* The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose. The words, constructions, and range of ideas called for in the examinations in composition will be such as are common in the reading of the year, or years, covered by the particular examination.

MODERN LANGUAGES

Elementary German. Grammar:—Elementary Grammar, including the ordinary usages of syntax. Composition:—Ability to turn into German easy sentences that test the candidate's knowledge of grammatical principles. Reading and Pronunciation:—Ability to read and translate at sight a passage of easy prose, when a vocabulary of the less common words is provided. The careful preparation of two hundred and fifty duodecimo pages of German of varied character as to style and content should afford the required facility. *Two units.*

Intermediate German. The principles of German Grammar, including a thorough knowledge of the forms, elements of word formation and the essentials of syntax. Translation of con-

nected English prose of moderate difficulty into German. Ability to read fluently a German text of ordinary difficulty. The selection of passages for translation into English will be adapted to the proficiency of those who have read not less than five hundred pages of classical and contemporary prose and verse; at least one-half of the reading should be selected from the works of Schiller, Lessing or Goethe. *Two units.*

Advanced German. The reading of some five hundred pages of good prose and verse; the writing of numerous short themes; the translation of English into German. *Two units.*

Elementary French. Grammar.—A thorough knowledge of the forms of nouns, adjectives and pronouns, especially of personal pronouns as to form and position; the partitive construction; the inflection of verbs both regular and irregular; the ordinary usages of syntax. Composition:—Ability to turn into French easy sentences that will test the candidate's thoroughness of preparation. Reading and Pronunciation:—Ability to read and translate easy prose at sight; the careful preparation of three hundred duodecimo pages of modern French, illustrating the style and vocabulary of various writers, should afford the required facility. *Two uuits.*

Intermediate French. A thorough knowledge of the principles of French Grammar, including accidence and syntax. It is expected that the candidate will have read at least six hundred duedecimo pages of modern French from the writings of standard authors. The following are recommended: Halévy, *l'Abbé Constantin;* Feuillet, *le Roman d'un Jeune Homme Pauvre;* Mérimée, *Colomba;* George Sand, *la Mare au Diable.* Ability to translate ordinary English prose into French such as may be acquired by turning into French sixty pages of easy English prose *Two units.*

Advanced French. The reading of from six hundred to one thousand pages of standard French; the writing of numerous short themes in class; the study of syntax. *Two units.*

Elementary Spanish. Pronunciation; rudiments of Grammar, with illustrative exercises; translation of from one hundred to two hundred duedecimo pages. *Two units.*

Intermediate Spanish. Reading of about five hundred pages of ordinary difficulty; grammatical drill; word formations; advanced syntax. *Two units.*

ENGLISH

Reading. The candidate will be required to write in good form brief essays displaying a general knowledge of ten books, as indicated from the following list prescribed by the College Associations.

Group I. (two to be selected).

Shakspere's *As You Like It, Henry V., Julius Caesar, The Merchant of Venice, Twelfth Night.*

Group II. (one to be selected).

Bacon's *Essays;* Bunyan's *The Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers* in the Spectator; Franklin's *Autobiography.*

Group III. (one to be selected).

Chaucer's *Prologue;* Spenser's *Faerie Queene,* (selections); Pope's *The Rape of the Lock;* Goldsmith's *The Deserted Village;* Palgrave's *Golden Treasury (First Series) Books II and III.,* with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group IV. (two to be selected).

Goldsmith's *The Vicar of Wakefield;* Scott's *Ivanhoe;* Scott's *Quentin Durward;* Hawthorne's *The House of the Seven Gables;* Thackeray's *Henry Esmond;* Mrs. Gaskell's *Cranford;* Dickens' *A Tale of Two Cities;* George Eliot's *Silas Marner;* Blackmore's *Lorna Doone.*

Group V. (two to be selected).

Irving's *Sketch Book;* Lamb's *Essays of Elia;* De Quincey's *Joan of Arc* and *The English Mail Coach;* Carlyle's *Heroes and Hero Worship;* Emerson's *Essays* (selected); Ruskin's *Sesame and Lilies.*

Group VI. (two to be selected).

Coleridge's *The Ancient Mariner;* Scott's *The Lady of the Lake;* Byron's *Mazeppa* and *The Prisoner of Chillon;* Palgrave's *Golden Treasury (First Series) Book IV.,* with especial attention

to Wordsworth, Keats and Shelley; Macaulay's *Lays of Ancient Rome;* Poe's *Poems;* Lowell's *The Vision of Sir Launfal;* Arnold's *Sohrab and Rustum;* Longfellow's *The Courtship of Miles Standish;* Tennyson's *Gareth and Lynette, Lancelot and Elaine,* and *The Passing of Arthur;* Browning's *Cavalier Tunes, The Lost Leader, How they Brought the Good News From Ghent to Aix, Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippides.*

Study and Practice. The examination will be upon the subject matter, form and structure of five books as indicated from the following list prescribed by the College Associations. It will presuppose the thorough study of each of the works selected.

Shakespere's *Macbeth;* Milton's *Lycidas, Comus, L'Allegro,* and *Il Penseroso;* Burke's *Speech on Conciliation with America,* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration;* Macaulay's *Life of Johnson,* or Carlyle's *Essays on Burns.*

For English the credit is *six units.*

HISTORY

The candidate will be expected to show on examination such general knowledge of each field as may be acquired by the study of an accurate text-book of not less than three hundred pages. The examination will call for comparison of historical characters, periods and events, and, in general, for the exercise of judgment as well as of memory.

(1) **American History,** with special stress upon the national period, and **Civil Government.** *Two units.*

(2) **Greek History** to the death of Alexander, with due reference to Greek life, literature and art. *One unit.*

(3) **Roman History** from the founding of the city to the fall of the empire, with due reference to literature and government. *One unit.*

(4) **Mediaeval History** from the fall of Rome to the close of the thirteenth century. *One unit.*

(5) **English History,** with due reference to social and political development. *One unit.*

MATHEMATICS AND DRAWING

Elementary Algebra and Plane Geometry are required for admission to all courses; the other subjects are optional.

(1) **Elementary Algebra.** Algebra through Quadratics. The points to be emphasized are:—Rapidity and accuracy in performing the four fundamental operations, factoring and its use in finding the greatest common factor and the lowest common multiple, radicals, the solution of linear equations containing one or more unknowns, the solution of quadratic equations, and the statement and solution of problems. Candidates who have not reviewed the work in Algebra during the last year in High Schools will be required to take examinations in this subject. *Two units.*

(2) **Plane Geometry.** The usual theorems and constructions of good text-books. Attention should be paid to the solution of original exercises and numerical problems and to the subject of loci. It is desirable that a short course in practical Geometry should precede the study of formal Geometry. *Two units.*

(3) **Solid Geometry.** The usual theorems and construction, of good text-books. Attention should be paid to the solution of original exercises and numerical problems and to the subject of loci. *One unit.*

(4) **Intermediate Algebra.** Theory of quadratic equations, remainder theorem, radicals with equations involving them, imaginary and complex numbers, ratio and proportion, variation, arithmetic and geometric progressions and graphs. *One unit.*

(5) **Advanced Algebra.** This includes permutations and combinations, the binomial theorem for positive integral exponents, logarithms, convergency of series, undetermined coefficients, partial fractions and inequalities. *One uuit.*

(6) **Trigonometry.** Plane Trigonometry as presented in the best modern text-books. Especial attention should be paid to accuracy, neatness, and the proper arrangement of the work. *One unit.*

(7) **Drawing.** The work in drawing should embrace pictorial drawing or perspective; decorative drawing, including design and ornamentation; and constructive drawing, consisting of geometric constructions, projections, sections, etc. *One unit.*

(8) **Advanced Drawing.** This course includes more advanced work in pictorial, decorative and constructive drawing. *One unit.*

NATURAL SCIENCES

Physics. One year's daily work in Physics, of which one-third should be laboratory work. The student should possess a thorough knowledge of the elementary principles of mechanics, heat, light, sound, electricity and magnetism, as presented in such text-books as Carhart and Chute, Hall and Bergen, Nichols (Outlines), Wentworth and Hill, Gage, Thwing. Note-books on the work done in the laboratory, certified by the instructor, must be presented at the time of entrance. *Two units.*

Chemistry. One year's daily work in Chemistry, of which one-third should be laboratory work. The student should possess a thorough knowledge of the general laws and theories of chemistry and should be familiar with the occurrence, preparation and properties of the common elements and their compounds as presented in such text-books as Storer and Lindsey, Remsen, Newth. Note-books on the work done in the laboratory, certified by the instructor, must be presented at the time of entrance. *Two units.*

Physical Geography. One year's daily work in Physical Geography as treated in the text-books of Tarr, Davis or Dryer, with training in the laboratory and the field. Note-books on the work in the laboratory and the field, certified by the instructor, must be presented at the time of entrance. *Two units.*

Zoology. One year's daily work in Zoology as presented in the text-books of Jordan, Davenport or Kellogg, with work in the laboratory and the field. A note-book on the work in the laboratory and the field, certified by the instructor, must be presented at the time of entrance. *Two units.*

Botany. One year's daily work in Botany as presented in Atkinson, Bergen, Coulter or Spaulding. A note-book, certified by the instructor, describing the work done in the laboratory and the field must be presented at the time of entrance. *Two units.*

DEGREES AND HONORS

REQUIREMENTS FOR BACCALAUREATE DEGREE

Every candidate for a Bachelor's degree in Arts or Science shall complete 120 hours, partly prescribed and partly elective, all elections to be made with the advice and consent of the Dean, who shall also decide all exceptional cases.

The prescribed studies are:

1. For either degree, English 1–4, History 1 and 2, or 3 and 4, Economics 1, Philosophy 1, 11, and Mathematics 1, 2.

2. For the degree of Bachelor of Arts, in Languages three minors or two majors (one in classics and one in modern languages); in Sciences one minor.

For the degree of Bachelor of Science, in Languages two minors; in Sciences two minors, or an equivalent amount (including one minor).

3. For either degree, twenty-four hours work in one department. In any department courses in allied subjects, prescribed by the head of the department, may be counted toward this requirement.

Definitions. A minor consists of two years' work in one department (excepting that Mathematics 3, 4 and Physics 1, 2, may make up a minor). A major is completed by taking an additonal year's work in a department in which a minor has already been taken. A double-major likewise demands an additional year's work in a department in, which a major has been completed.

ARRANGEMENT OF COURSES

Fifteen hours a week are required, except for Seniors, who may take twelve, provided that 120 hours in all are completed.

The prescribed minors in Languages and Sciences must so far as possible be taken up at entrance, and continued in Sophomore Year. English 1, 2, and Mathematics 1, 2, are prescribed for Freshmen; English 3, 4, and History 1, 2, or 3, 4, are Sophomore subjects; Economics 1 and Philosophy 1, 11, are Junior subjects.

HONORABLE MENTION AND HONORS

Sophomore Honorable Mention will be granted by the Faculty at the end of the Sophomore Year on the following conditions:

The candidate must have fulfilled all entrance requirements, and completed sixty college hours, without having been conditioned upon a whole term's work in any subject; she must have completed two years' work in the subject in which she seeks honorable mention, with honor marks for every term's work in that subject.

Sophomore Honors will be awarded to any student who shall have fulfilled the requirements for Sophomore Honorable Mention in two departments, provided that she attain an honor standing for the entire two years' work.

Final Honorable Mention will be granted to those attaining the Baccalaureate degree, on the following conditions:

The candidate must not have been conditioned upon a whole term's work in any subject after the Freshman Year; she must also attain an honor mark for every term's work in the department in which she seeks honorable mention, or for as many terms' work as are required for honors in that department. For honorable mention in one department six hours' credit, in addition to the 120

hours required for a degree, is necessary; for honorable mention or honors in two or more departments twelve hours. The regular requirements in the various departments are: In Greek or Latin, not less than twenty hours' work, the honor courses to be taken, or such extra work done as the Head of the department shall approve; in French, German or English, four years' work in the department chosen; in History, Philosophy, Mathematics, Physics, Chemistry or Biology, three years' work in the department.

Final Honors will be awarded to any student who shall have fulfilled the requirements for Final Honorable Mention in two departments, provided that she attain an honor standing for the entire college course. The diploma of such student will state that her degree is granted *cum laude*, *magna cum laude*, or *summa cum laude*, as the Faculty may determine.

Announcement of Honorable Mention or Honors, with the name of the department or departments concerned, will be made on the Commencement stage. Such awards will also be noted in the program of that day, and printed in the catalogue of the year following.

MASTER'S DEGREE

The degree of Master of Arts will be granted to any Bachelor of Arts of this College who shall after graduation complete thirty hours (fifteen hours a week for two terms) of advanced study in the College, and shall submit a satisfactory thesis on a subject within the scope of such advanced work. The degree of Master of Science is conferred upon Bachelors of Science on the same conditions. The fees are the same as those of candidates for the Baccalaureate degree.

DEPARTMENTS OF INSTRUCTION

I. GREEK LANGUAGE AND LITERATURE

PROFESSOR MCDANIELS AND PROFESSOR YEAMES

Courses 1–4 form the regular minor in Greek, but for 3 or 4 an advanced course may be substituted.

A, B. Course for beginners designed to cover entrance Greek in one year. *Six hours.*

1. Lysias, eight orations; or Herodotus, Books VI and VII, and Plato's Apology. Grammatical Review. Greek Prose Composition. *Three hours. First Term.*

2. Homer, Odyssey. Review of Grammar completed; study of Epic forms and syntax; Lectures on Homeric Life and Antiquities; Greek Prose Composition. *Three hours. Second Term.*

3. Demosthenes, Olynthiacs and Philippics. History of Greek Oratory and of the period of Demosthenes. Greek Composition in the style of Demosthenes. *Three hours. First Term.*

4. Greek Drama: the Prometheus; the Ajax; the Alcestis. Lectures on the dramatists, and the development of Tragedy. *Three hours. Second Term.*

5. Greek Drama: the Agamemnon and the Eumenides; or the Œdipus Tyrannus and the Antigone; the Birds or the Frogs of Aristophanes. This course is for rapid reading and for Honors. *Three hours for one term.*

6. The Hippolytus; the Iphigenia in Tauris; Extracts from Theocritus, Bion, and Moschus. The object of this course is purely literary, and also to serve as a basis of comparison with certain masterpieces in French, German, and English literature. *Three hours for one term.*

7. Thucydides, Books VI and VII. Political History of the period. Composition in the style of Thucydides. *Three hours for one term.*

8. Plato, the Theætetus; or the Republic, Books V, VI and VII. The object of this course is to serve as an introduction to Platonic philosophy. *Three hours for one term.*

9. Lyric Poetry: Smyth's Melic Poets. This will alternate with Pindar, Olympian and Pythian Odes. *Three hours for one term.*

10. Demosthenes, De Corona. History of the period. Rhetorical study. Prose Composition in the style of Demosthenes. Course 10 will alternate with Course 7. *Three hours for one term.*

11. New Testament. Acts of the Apostles. Study of the peculiarities of New Testament language and idiom, and its relation to the Septuagint and Hellenistic Greek. *Half-Course. Alternate years.*

II. LATIN LANGUAGE AND LITERATURE

PROFESSOR WOODMAN AND PROFESSOR YEAMES

Courses 1–4 form the regular minor in Latin and are prerequisite to all other courses. Of courses 5–12, two will usually be offered every year, one in each term.

A, B. Virgil, Aeneid. For students desiring to enter the Arts course who are not prepared to take Latin 1. *Three hours.*

1. Cicero and Terence. Cicero, De Senectute or De Amicitia; Terence, Andria. Grammar Review and Prose Composition. *Three hours. First Term.*

2. Horace. Odes and Epodes. Grammar Review and Prose Composition. *Three hours. Second Term.*

3. Horace. Satires and Epistles. Prose Composition. *Three hours. Second Term.*

4. Livy. Books XXI and XXII, and selections from Book I. Sight Reading. Prose Composition. *Three hours. Second Term.*

5. Tacitus. Selections from the Histories or the Annals and one of the minor works. *Three hours.*

6. Cicero's Correspondence. Selections from the letters and survey of the life and times of Cicero. *Three hours.*

7. Poetry of the Republic. Selections from Lucretius and Catullus. *Three hours.*

8. Cicero's Philosophical Works. Selections from the De Natura Deorum, the De Officiis, or the Tusculan Disputations. *Three hours.*

9. Juvenal and Martial. Selections from the Satires and the Epigrams. *Three hours.*

10. Suetonius and Pliny. Selections from Suetonius' Lives and Pliny's Letters. *Three hours.*

11. Quintilian. Book X of the Institutio Oratoria. *Three hours.*

12. Lyric and Elegiac Poetry. Selections from Catullus, Tibullus, Propertius, and Ovid. *Three hours.*

13. Roman Comedy. Plautus, Rudens and Captivi, and a play of Terence. *Three hours.*

14. Advanced Prose Composition. Open to those who have passed satisfactorily courses 1–4. *One hour a week for one or two terms.*

III. ROMANCE LANGUAGES AND LITERATURES

PROFESSOR BEACH, MR. BARNEY AND MR. MORE

French Language and Literature

A, B. Elementary Course. Thieme and Effinger's French Grammar. Prose Composition. Reading such works as Mérimée, *Colomba;* Loti, *Pêcheur d'Islande;* Halévy, *L'Abbé Constantin. Six hours.*

NOTE: This course must be taken by *all* students of French who have not had at least two years of High School French. Students who have already passed French 1, 2, (as stated in previous catalogues) may enter this course at the beginning of the second term.

1, 2. Grammar and Prose Composition. LaBruyère, *Les Caractères;* About, *Le Roi des Montagnes;* Daudet, *La Belle Nivernaise;* Hugo, *Notre Dame;* Michelet, *Louis XI et Charles le Téméraire,* etc. *Three hours.*

3, 4. Selected plays of Corneille, Racine and Molière. Extracts from Boileau's *Épitres* and *Satires.* Prose Composition. *Three hours.*

5, 6. Study of the French Renaissance with extracts from some of the most notable writers of the Sixteenth and Seventeenth Centuries. Boileau's *Art Poétique* and Faguet's *Histoire de la Littérature Française* will be used with this course. Ability to read French at sight is required. *Three hours.*

7, 8. The Romantic School of the Nineteenth Century, with selections from numerous authors. Faguet's *Littérature du XIXième Siècle.* Ability to read French at sight is required. *Three hours. 1910–11.*

Italian Language and Literature

11, 12. Grandgent's Italian Grammar and Composition. Translation from easy Italian prose. De Amicis' *Cuore. Three hours.*

13, 14. Italian Composition. Manzoni's *I Promessi Sposi,* or D'Azeglio's *Niccolò de' Lapi. Three hours.*

Spanish Language and Literature

15, 16. Hills and Ford's Spanish Grammar. Composition. Reading of easy Spanish prose, like Fontaine's *Flores de España,* etc. *Three hours.*

17, 18. Alarcón's *El Capitan Veneno,* etc. Grammar and Composition. *Three hours.*

IV. GERMAN LANGUAGE AND LITERATURE

PROFESSOR WILLIAMSON AND MR. MORE

A, B. Elementary Course. Kayser and Monteser, *Foundations of German*. Selections from simple German prose works such as: Gerstäcker, *Germelshausen;* Hillern, *Höher als die Kirche;* Freytag, *Die Journalisten. Six hours.*

NOTE: This course must be taken by all students of German who have not had at least two years of High School German.

1, 2. Storm, *Der Schimmelreiter;* Schiller, *Die Jungfrau von Orleans;* Scheffel, *Ekkehard;* Goethe, *Egmont.* Prose composition, dictation and sight translation. *Three hours.*

3, 4. Sudermann, *Frau Sorge;* Goethe, *Hermann und Dorothea;* Lessing, *Minna von Barnhelm,* Heine, *Die Harzreise.* Prose composition, dictation, and sight translation. *Three hours.*

5. Conversation and Rapid Reading Course. Advanced prose composition. *Three hours.*

6. The Life and Works of Schiller. The development of the poet will be studied and representative works read. *Three hours.*

7, 8. The Life and Works of Goethe. *Dichtung und Wahrheit* and selected works will be studied in this course. Themes to be written in German will be assigned from time to time. *Three hours.*

9, 10. The development of the German drama in the 19th century. Representative dramas of Kleist, Hebbel, Grillparzer, Hauptmann and Sudermann will be read. *Three hours.*

11, 12. History of German Literature. Lectures and assigned reading. Text-book: Thomas, *Anthology of German Literature*. *Three hours.*

V. ENGLISH, RHETORIC AND ELOCUTION

PROFESSOR TURK, PROFESSOR MUIRHEID AND MISS RICHARDS

Course 1, 2, is prerequisite to all other courses, and 3, 4, to all other courses in literature.

1, 2. **Rhetoric and English Composition.** Recitations, lectures, and weekly themes written in the class room: this is an elementary course, designed to teach clearness and correctness of expression. Prose selections are read each term. *Three hours.*

3, 4. **Introduction to English Literature.** A general survey of the development of English Literature, together with the study, in class, of extracts from the poetry, and the private reading, fortnightly, of some classic. *Three hours.*

5. **Daily Themes.** Daily themes, with lectures and consultations; the course is designed by daily practice to teach readiness and ease of expression. *Three hours. First Term.*

6. **Advanced Composition.** Fortnightly themes intended to give practice in the principal kinds of prose composition. Lectures and consultations. *Three hours. Second Term.*

7. **Argumentative Composition and Debating.** A study of the forms of public address, with instruction in

the preparation of debates and oral arguments, and training in their effective delivery. *Three hours. First Term.*

8. **Elocution.** This course is devoted to training in the use of the voice and practice in speaking. *One hour.*

9, 10. **Old English (Anglo-Saxon) and Historical English Grammar.** This course will aim at a working knowledge of Old English Grammar, and a careful study of the history of English inflections. A number of selections from Old English poetry and prose will be read. *Three hours.*

11. **Chaucer.** In this course are read with attention to literary history, language and antiquities the Prologue to the Canterbury Tales and as many of the Tales as time will permit. *Three hours. First Term.*

12. **Development of the Drama.** A history of the development of the English drama with readings from the miracle plays and from Elizabethan dramatists. A play will be read outside the class each week. *Three hours. Second Term.*

13, 14. **Shakspere.** A study, chiefly literary, of the dramatic work of Shakspere. Several plays will be read carefully in class, with a view to accurate textual interpretation; the other plays will be assigned as outside reading. *Three hours.*

15. **Shakspere.** A critical study of Shakspere's work in connection with his life and times. Private reading of all plays and poems. *Three hours. First Term.*

16, 17. **English Novel.** A study of the growth of the novel in England and America from the Metrical Romances to the present time, with some consideration of the art of fiction. Private reading throughout the year. *Three hours.*

18. **Literary Criticism.** An examination of the development of English literary criticism, with some discussion of foreign critical theory. Several English essays are read and commented upon in class, and others are read privately. *Three hours. First Term.*

19. **American Literature.** A survey of the literature of the American colonies and states, with especial regard to its connections with the parent literature of England and its most interesting contemporary developments. *Three hours. Second Term.*

20. **Tennyson.** A general introduction to Tennyson's poetry, with a special study of *In Memoriam. Three hours. Second Term.*

21. **Browning.** A study of Browning as poet and teacher. *Three hours. Second Term.*

VI. HISTORY

PROFESSOR SILVER

Instruction is given in all courses by lectures, private reading on specially assigned subjects with weekly written reports being required of all students.

1. **History of Ancient Civilization.** A survey of the life and institutions of the Egyptians, the Chaldeans, the Assyrians, the Hindus, the Hebrews, the Phœnicians, the Persians and the Greeks. *Three hours. First Term.*

2. **Roman History.** A study of the history of Rome and its institutions under the monarchy, republic and empire. *Three hours. Second Term.*

3. **Mediaeval Europe.** The history of Western Europe from the fall of the Roman empire to the close of the Middle Ages, at the end of the XIIIth century, including the causes of Rome's fall, the invasions and settlements of the Germans, the empire of Charlemagne, the rise and growth of the Papacy, feudalism, monasticism, scholasticism, the crusades and the rise and growth of the states of Western Europe. *Three hours. First Term.*

4. **The Renaissance and the Reformation.** The history of Western Europe from the close of the XIIIth century and during the revival of learning, the inventions and discoveries of the XVth century and the reform of religion to the middle of the XVIth century. *Three hours. Second Term.*

5. **Modern Europe.** The history of Western Europe from the middle of the XVIth century, accession of Elizabeth, to the French Revolution. *Three hours. First Term.*

6. **The French Revolution and the Napoleonic Empire.** The history of France and of Western Europe during the Revolution, the First Republic, the Directory and the Empire. *Three hours. Second Term.*

7. **Contemporary Western Europe.** A study of the internal development and external relations of England, France, Belgium, Holland, Spain and Portugal from the overthrow of the Napoleonic Empire in 1814. *Three hours. First Term.*

8. **Contemporary Central and Eastern Europe.** A survey of the internal development and external relations of Switzerland, Italy, Germany, Denmark, Norway, Sweden, Austro-Hungary, Russia and Turkey since the overthrow of Napoleon in 1814. *Three hours. Second Term.*

9. **English History,** from the earliest times to the death of Elizabeth. *Three hours. First Term.*

10. **English History,** from the accession of James I to the present time. *Three hours. Second Term.*

11. **American History, 1775–1845.** The history of the Revolution, the formation of the Union and of the development of the people under the rule of the fathers of the country, of the New Republicans after the war of 1812 and of the Jacksonian Democracy to the Mexican war. *Three hours. First Term.*

12. **American History, 1845—.** The history of the American people during the slavery agitation, Civil War, the period of Reconstruction and under the later Republican rule. *Three hours. Second Term.*

13. **Current Topics.** A survey and discussion of the chief events of interest happening from day to day. One hour a week throughout the year. The course is purely voluntary and does not count for hours.

VII. ECONOMICS AND SOCIOLOGY

PROFESSOR WILLIAMS

Courses 1–6 inclusive are open to Juniors and Seniors without any requirements. Courses 7 and 8 are open to Juniors and Seniors who have had or are taking Elementary Psychology and who have had one term in the department with the rank of B.

1. **Elementary Economics.** Natural resources and their conservation. The theories of value, rent, wages, capital and interest, money and banking, foreign trade and the tariff. *Three hours. First Term, 1910–11, and alternate years.*

2. **Economic Problems.** History of transportation; theory of passenger and freight rates: governmental regulation, operation, ownership. Work of Interstate Commerce Commission and of the Public Service Commissions. History and theory of monopoly; corporation finance; state and federal regulation. Public finance; problems of taxation. *Three hours. Second Term, 1910–11, and alternate years.*

3. **The Labor Problem.** History of the laboring classes in England. History and principles of trade unionism. Theories of social reform. Labor legislation. Profit-sharing. Co-operation. Socialism. *Three hours. Second Term. Alternates with 2.*

4. **Social Problems.** The growth of cities; housing; tuberculosis; immigration; the negro; gambling; intemperance. Remedial agencies: social settlements; legislation. *Three hours. First Term, 1911–12, and alternate years.*

5. **Charities and Corrections.** Statistical treatment of the extent of poverty; wages and the standard of living; unemployment; industrial accidents. Remedies: minimum wage boards; industrial education; compensation acts; old age pensions; woman and child labor laws; industrial insurance; savings institutions. Crime: causes; criminal law and procedure; correctional institutions. *Three hours. Second Term, 1911–12, and alternate years.*

6. **Elementary Sociology.** Analysis and criticism and statistical treatment of the selectionist and mutationist theories of evolution and discussion of their application to human society. Analysis and criticism of theories of heredity in their relation to sociological development. The races of mankind and their dispersion. The treatment of lower races by higher; history and theories of colonization. The origin and development of language, inventions and technology. The formation and history of institutions: the family, church and state. Institutional problems: marriage and divorce; the function of the church in modern life; the functioning of American political institutions. *Three hours. First Term, 1911–12, and alternate years.*

7. **Sociological Theory.** An analysis of the psychological processes involved in social activity and of their relation to the development of custom and law. Problems: class distinctions and class organizations; sex distinctions and their effect on social organization. Special emphasis will be laid on psychological and statistical studies of social groups, also on training in the use of documentary sources. *Three hours. Second Term, 1911–12, and alternate years.*

8. **Sociological Development of Religion and Art.** An investigation of the origin and development of religious beliefs, symbols and institutions and of aesthetic standards in their relation to economic and political development. Special emphasis will be laid on a study of investigations of the Smithsonian and other research institutions, and of the sacred books of religious systems. *Three hours. Second Term. Alternates with 7.*

Economic Club. Meets monthly for the discussion of economic and sociological topics. Subject for 1910-11,

origin and development of movements for the educational and social progress of women. Open to all students.

VIII. PHILOSOPHY AND PSYCHOLOGY

PROFESSOR BOSWELL

Philosophy

1. **Introductory Logic and Theory of Knowledge.** The nature and function of thought, the traditional theories of the forms of reasoning. The process of inference. The methods of the special sciences. The general nature of knowledge and the functions of science. Lectures, practical exercises and recitations. Creighton's *Introductory Logic*. Required of all Juniors and must be taken immediately after 11. *Three hours. Second Term.*

2. **History of Greek and Mediaeval Philosophy.** An historical introduction to the problems of philosophy. The lectures emphasize the development of the central ideas of philosophical thought in relation to the growth of science and the changes of civilization. Selections are read from the works of Plato, Aristotle, the Stoics, Plotinus and Augustine. *Three hours. First Term.*

3. **History of Modern Philosophy** from the Renaissance to the present time. A continuation of course 2, but may be taken separately. Selections are read from the modern classical philosophers. *Three hours. Second Term.*

4. **Introduction to Systematic Philosophy.** A brief survey, in lectures, of the field of Philosophy with an indication of its fundamental problems. Should be taken in connection with course 2. Collateral reading. *One or two hours. Second Term. 1910–11.*

5. **Ethics.** An analysis of the Moral Consciousness. A brief historical survey of the chief stages of ethical reflection. Outline of a theory of intrinsic goods with applications. A study of the psychological and ethical relations of the individual and society and of the ethical significance of the chief social institutions with especial reference to their historical development. Lectures and a thesis. *Three hours. First Term.*

6. **Metaphysics.** A critical and constructive consideration of first principles in knowledge, the physical order, human conduct and sentiment. Lectures, discussions and a thesis. Open only to Seniors. Presupposes Courses 1, 2, and 3. *Three hours. Second Term.*

7. **The Philosophy of Religion.** The psychology of the religious attitude, the chief factors and laws of the evolution of religion, the relations of religion and culture, the religious conceptions of God, human personality, evil, history, freedom and immortality. Lectures, discussions and collateral reading. Alternates with 6. *Two hours. Second Term.*

8. **Biblical Study.** The Prophets of Israel or The Ethical Teachings of Jesus Christ. *One hour. First Term.*

9. **Thesis.** For Honors a Thesis is required, for which a credit of three hours is given.

Psychology

Any of the courses in Psychology, except 11, may be offered for credit in the department of Biology or the department of Philosophy.

11. **Introduction to Psychology.** This course is intended to give the student a general knowledge of the main aspects and problems of Psychology. During the last weeks lectures will be given on the Philosophical Problems of Psychology. Prescribed for all Juniors. Open to Sophomores of high standing in their general work. *Three hours. First Term.*

12. **Experimental Psychology.** Four hours laboratory work and one lecture. The aim of this course will be to train the student in scientific observation in psychological work, and to give him some practical acquaintance with the main facts upon which the science of Psychology is founded. Prerequisite Course 11 or an equivalent. *Three hours. Second Term.*

13. **General Advanced Psychology.** Three lecture hours and one laboratory period a week. In this course special attention will be paid to the functions of psychic processes in the adjustment of the organism to the environment. *Four hours. First Term.*

14. **Animal Psychology.** Three lecture hours and one laboratory period a week. In this course the facts of animal behavior and their relations to psychic processes, the development of the animal mind, and its relations with the human mind will be studied. *Four hours. Second Term.*

15. **Research Work.** Students taking 13 will have the opportunity of taking part in any research work

which may be in progress and will receive credit for such work, and any competent student wishing to study for Honors in Psychology will be allowed to take up a problem under the guidance of the instructor.

16. **Psychological and Philosophical Seminar.** Should such a course be demanded, meetings of the advanced students of Psychology or Philosophy will be held, in which topics of psychological and philosophical interest will be informally discussed. *Two hours.*

IX. PEDAGOGY

PROFESSOR BOSWELL AND MISS RICE

The courses in this department are designed primarily to meet the requirements for the College Graduate Professional Certificate of the Education Department of the State of New York, and are given with the approval of the Department. These courses constitute two consecutive years' work.

1. **General Psychology.** Identical with Psychology 11. *First Term. Junior Year.*

2. **Educational Psychology.** Detailed study of special psychological topics, such as Perception, Memory, Imagination, Conception, Reasoning, Interest, Attention, Apperception, Habit, Will, Character, Suggestion, Imitation and Fatigue; with especial reference to their educational applications. *Three hours. Second Term.*

3. **History of Educational Theory and Practice** from the Greeks to the present time. In this course especial stress will be laid upon the historical relations of educa-

tion to philosophy and to social organization and theory. Presupposes Courses 1 and 2. *Four hours. First Term.*

4. **The Principles of Education.** Educational aims, values and methods considered in the light of general philosophy, and with especial reference to the psychological, ethical, and sociological principles involved. Presupposes Philosophy 1 and Pedagogy 1, 2 and 3. *Two hours. Second Term.*

5. **Method in Teaching.** A consideration of the methods of teaching the chief subjects of instruction in elementary and secondary schools. *Two or three hours. Both Terms.*

6. **Pedagogical Practicum.** Observation of actual teaching in the Geneva Schools, for not less than twenty hours, under the direction of the Instructor in pedagogical methods.

X. MATHEMATICS

PROFESSOR DURFEE AND MR. OSBORN

1. **Algebra.** Selected topics in Higher Algebra. This course is required of all candidates for a degree. *Four hours. First Term.*

2. **Trigonometry and Mensuration.** Especial attention is paid in this course to the science and art of computation. Required of all candidates for a degree. *Four hours. Second Term.*

3. **Geometry.** An introduction to Projective Geometry. This course includes considerable mechanical drawing and should clarify and develop the student's notion of space. *Three hours. First Term.*

4. **Analytic Geometry.** The analytic Geometry of the Straight Line and the Conic Sections. *Three hours. Second Term.*

5. **Differential Calculus.** *Three hours. First Term.*

6. **Integral Calculus.** A continuation of Course 5. In these courses especial attention is paid to the applications of the Calculus to problems in Mechanics and Physics. *Three hours. Second Term.*

7. **Differential Equations.** A brief course in the solution of differential equations and their application to mechanical and physical problems. *Three hours. First Term.*

8. **Mechanics.** The Dynamics of a Particle. *Three hours. Second Term.*

9. **Selected Topics** in Advancd Algebra and Analytic Geometry. *Two hours. Second Term.*

XI. PHYSICS

PROFESSOR BACON AND MR. OSBORN

Courses 1–4, or 1, 2, 5, 6, form a regular minor in Physics, but Mathematics 3, 4, may be combined with Physics 1, 2, to form a minor.

A, B. **Descriptive Physics.** A course intended to give a survey of the field of Physics and acquaint the student with some of the important applications of the subject, without including a rigid mathematical treatment. While it is not intended as a substitute for Elementary Physics, it is recommended for those students who have

not offered Physics for entrance and do not intend to take other courses in the department. This course cannot be combined with another year's work for a minor in Physics. Lectures, recitations and laboratory work. *Three hours.*

1, 2. **General Physics.** An introductory course extending through the year. Lectures with text-book assignments and problems, accompanied by laboratory work. Lectures and recitations, three hours weekly. Candidates for the degree of B.S. are required to take four hours weekly in the laboratory. Others are required to take two, but may elect to take four. *Four or five hours.*

3. **Electricity and Magnetism.** A study of the general phenomena and some of the applications of electricity, the methods of measurement and the development of equations used in the laboratory and in connection with practical applications. Watson's Physics is used as a reference book. Lectures and recitations. *Three hours. First Term.*

4. **Light.** A study of the historical and experimental development of the subject with a discussion of the theory. Lectures and recitations. *Three hours. Second Term.*

5. **Heat.** The treatment is similar to that of Light in Course 4. An introduction to the study of heat engines is included. *Three hours. First Term.*

6. **Applied Electricity.** A study of dynamos, motors, alternating and polyphase currents, and transformers. Lectures and recitations. Prerequisites Course 3 and Calculus. *Three hours. Second Term.*

7. **Advanced Laboratory Work: Mechanics and Heat.** More refined methods of measurement are employed than in Course 1; fewer experiments are performed and the student is thrown more upon her own responsibility. It is recommended that this course be taken by those electing Course 5. Four hours weekly. *Two hours. First Term.*

8. **Advanced Laboratory Work: Light.** The work includes the use of the spectrometer and transmission and reflection gratings, and the study of the phenomena of interference, diffraction, double refraction and polarized light. It is expected that this course will be taken by those taking Course 4. Four hours weekly. *Two hours. Second Term.*

9. **Advanced Laboratory Work: Electrical and Magnetic Measurements.** This course includes the more refined measurements of electromotive force, current, resistance, capacity, self and mutual induction, and magnetic quantities. It is expected that this course will be elected by those taking Course 3. Four hours weekly. *Two hours. First Term.*

10. **Advanced Laboratory Work: Electricity.** This course will supplement Course 6 with dynamo, motor and transformer measurements. Four hours weekly. *Two hours. Second Term.*

11. **A Course in Problems.** This course is open to all who have taken Courses 1 and 2. The character of the work and the number of hours will be suited to the needs of those electing the course.

Laboratory Fees

A laboratory fee of three dollars per term is required of all students taking laboratory courses in Physics.

XII. CHEMISTRY

PROFESSOR LANSING AND MR. DEAN

Courses 1–4 form the regular minor in Chemistry.

1, 2. **General Chemistry.** Lectures and recitations three hours a week; laboratory work two hours a week. The lectures in this course cover the fundamental theoretical parts of inorganic Chemistry; the properties and reactions of the elements and their compounds are studied in detail.

3, 4. **Qualitative Analysis.** Laboratory and lectures six hours a week. This course trains the student to draw correct inferences in regard to the composition of substances from a carefully arranged series of experiments. The knowledge obtained from these experiments is applied gradually, as gained, to the analysis of a large number of solutions and solids. At the end of the course the student should be able to analyze any ordinary inorganic substance. Prerequisite 1, 2. *Three hours.*

5, 6. **Quantitative Analysis.** Laboratory with personal instruction, six hours a week. The work consists of a study of gravimetric and volumetric methods and the analysis of salts and minerals. Laboratory guides: Talbot's Quantitative Analysis, and special written directions. Prerequisites 1–4. *Three hours.*

8. **The Historical Development of Chemical Theory. Elementary Physical Chemistry.** Lectures, recitations, required reading and written reports. The lectures discuss in detail the history of the science, tracing it from the earliest times to the present day, and dwelling especially upon the modern physico-chemical theories. Prerequisite 1, 2. *Three hours. Second Term.*

9, 10. **Organic Chemistry.** Lectures and laboratory work. The lectures cover the principles of organic chemistry as illustrated by the derivatives of methane and benzene. The laboratory work consists mainly of the synthesis of various organic compounds illustrating typical processes. Prerequisites 1–4. *Three hours.*

11, 12. **Air, Water and Food Analysis.** The analysis of air, water, milk and various foods. Laboratory work six hours a week. The work may be varied considerably according to the needs and interest of the student. Prerequisites 1–6. *Three hours.*

13, 14. **Advanced Quantitative Analysis,** including **Gas Analysis.** One lecture and four hours laboratory work a week. Prerequisites 1–6. *Three hours.*

Laboratory Fees and Expenses

All students in the department of Chemistry taking Course 1, 2, are required to make a deposit of five dollars with the Treasurer of the Colege before receiving their laboratory keys; those taking any other course must deposit six dollars. This deposit, less the amount deducted for apparatus broken or missing, is refunded at the end of the college year.

To cover the cost of chemicals, gas, etc., a fee of five dollars per term is paid by each student in Course 1, 2. The fee for this purpose for courses subsequent to this is nine dollars per term.

XIII. BIOLOGY

PROFESSOR EATON AND MR. WATSON

1, 2. **Elementary Biology.** Lectures, laboratory work and recitations. A practical study of the structure, physiology and general activities of representatives

selected from the chief classes of plants and animals. Brief study of embryonic development, and of the histology of the earthworm, including methods of preparing the specimens examined. The general problems of Biology. *Four hours.*

3, 4. **Zoology.** Lecture and laboratory course, with monthly quizzes and reviews. Detailed study of representative types of animals. Numerous forms used for comparison and demonstration. Comparative study of the evolution of animal organs and their functions. Illustrated lectures on adaptations, coloration, habit, instinct, ecology, embryology, heredity, distribution. Classification and nomenclature. *Four hours.*

5. **Botany.** A course in plant morphology, physiology and ecology. Detailed study of representative types of plants, and of their life-processes. Laboratory examinations, experiments and drawings will occupy a large portion of the time in this course. *Four hours. First Term.*

6. **Systematic Botany.** A study of the principal systematic groups of plants. Practical work in identification and classification. The student is expected to become familiar with a large number of native plants and with the more important and interesting exotic species, and to prepare a representative herbarium. Lecture, laboratory and field course. Monthly quizzes and reviews. *Four hours. Second Term.*

7. **Histology.** Laboratory work, four hours a week, on the structure of the various tissues in plants and animals. Practice in the fixing, staining and mounting of tissues for microscopic slides. *Two hours. First Term.*

8. **Embryology.** Laboratory work, four hours a week, on the development of the chick, fish, and Guinea pig. *Two hours. First Term.*

9. **Ornithology.** Lecture, laboratory and field course in bird-study. Structure, classification and identification. Migration, adaptations, nesting habits, and general life-histories of our common birds. This course will include one field trip a week. *Three hours. Second Term.*

10. **Physiology.** The comparative anatomy and physiology of the human body. Practical physiology and hygiene. Lectures, recitations and laboratory work. *Three hours. First Term.*

11. **Elementary Forestry.** Lecture, laboratory and field course. Morphology and physiology of the tree. Practical study of all our native trees and of the more important exotics. Ecological factors applied to forest formation, seed dispersal, plant migration, zonation, succession and distribution. Enemies of the forest. Forest regeneration and protection. Influence of forests on climate, water-supply, sanitation and navigation. Forest management. Forest products, methods of log measure and estimation of timber. *Three hours. Second Term.*

See note under Psychology in regard to other courses which may be counted in this Department.

Laboratory Fees

The laboratory fees in this department are as follows: For courses 1, 2, 9, 10 and 11, three dollars; for courses 3, 4, 5, 6, 7 and 8, five dollars.

XIV. ASTRONOMY

PROFESSOR BROOKS

Descriptive Astronomy. A course in Descriptive and Observational Astronomy. The lectures are illustrated by explanatory apparatus, charts and stereopticon views, introducing the latest achievements of astronomical photography. The course includes, at hours appointed by the Director, observations of celestial objects with the telescope at Smith Observatory. This course is an elective, open to Seniors and Juniors. *Two hours.*

XV. MUSIC

MR. LYON

This College recognizes the value of Music in higher education, but believes the study of Music in colleges should be primarily cultural rather than professional. Accordingly this Department offers six courses in the History and Theory of Music, for which credit will be granted toward the Baccalaureate degree. These courses are not open to Freshmen. Provision is also made for instruction in Vocal and Instrumental Music, terms for which may be obtained on application. Students must secure the approval of the Dean before electing such a course.

1. **History of Music.** A non-technical course in the history of Music, for which no previous knowledge of music is required. By means of weekly lectures the development of music is traced from its crude beginnings among ancient civilized peoples down to the twentieth century. *One hour. First Term.*

2. **Appreciation of Music.** A didactic course of lectures, supplemental to Course 1, designed to develop intelligence in listening to music. *One hour. Second Term.*

3. **Elementary Theory.** This course includes the study of elementary musical acoustics, scales, intervals, and ear-training, preparatory to Course 4. *One hour. First Term.*

4. **Harmony.** This course is a continuation of Course 3, and includes the analytic and synthetic study of the formation and interconnexion of chords, and the harmonization of given melodies and basses. It may be followed by a course in practical composition in homophonic forms. *One hour. Second Term.*

5. **Counterpoint.** The work of this course consists in writing additional parts in the five species of counterpoint to a given Cantus Firmus in the order of two, three and four voices. Courses 3 and 4 are prerequisite. *One hour.*

6. **Pedagogy.** In this course are taught those branches required for the supervision of music in primary and secondary schools, including a practical method for developing good tone production in children. *One hour.*

XVI. PHYSICAL TRAINING

MR. SPARKS

The aim of the Department of Physical Training is to provide exercise that will produce a harmonious development for the greatest number of students rather than specialization at the expense of a portion of the class. At the beginning of the year each student is given a thorough physical examination by the college physician

and any necessary treatment or exercise is prescribed. Students are required to take the work of this department throughout the college course.

GYMNASTICS

1, 2. **Elementary Gymnastics.** Marching tactics, Swedish gymnastics, dumb bell and wand drills, graded apparatus work, aesthetic dancing, gymnastic games. Required of first year students two hours a week from Thanksgiving to Easter. 7–8 may be substituted for 1–2 upon consultation with the Director.

3, 4. **Intermediate Gymnastics.** Marching tactics, Swedish gymnastics, Indian club and wand drills, advanced apparatus work, aesthetic dancing, gymnastic games. Required of second year students who have satisfactorily completed 1–2 or 7–8. Two hours a week from Thanksgiving to Easter.

5, 6. **Advanced Gymnastics.** Marching tactics, Swedish gymnastics, fencing, apparatus work, aesthetic dancing, gymnastic games. Required of third and fourth year students two hours a week from Thanksgiving to Easter.

7, 8. **Corrective Gymnastics.** Required of all students whose physical examination prescribes special exercises.

ATHLETICS

Outdoor work in tennis, basketball, volley ball, indoor baseball and field hockey is carried on under the direct supervision of the Instructor. Required of all students who are physically qualified two hours a week before Thanksgiving and after Easter.

GENERAL REGULATIONS

RELIGIOUS SERVICES

A religious service of an unsectarian character is conducted every morning in one of the College Houses. Presence at this service is voluntary, and on Sunday the students are free to attend the churches of their choice.

TERMS AND VACATIONS

The academic year extends from the Wednesday after the third Tuesday in September to the third Thursday in June, inclusive; with a recess from the day before Thanksgiving, at 1 P. M., to the Monday after Thanksgiving, at 8:45 A. M.; a Christmas recess of two weeks; an Easter recess of ten days; and with recognition of certain legal holidays. This academic year is divided into two terms of equal length.

DISCIPLINE

Any student who fails to attain the ends of college membership may be dismissed at the discretion of the Faculty. Conduct and influence as well as scholarship are included in the scope of this regulation. No person will be dismissed from the College as in good standing who leaves it while under censure.

STANDING AND REPORTS

At the close of each term the standing of the student in each study is reported to her parent or guardian.

The marks used may be thus described: A, a high honor mark, given for distinguished work; B, a simple honor mark; C, a high passing mark; D, a low passing mark; X, work incomplete; E, a general condition, to be made up by an examination on a day fixed by the Instructor by whom the condition was imposed; F, the student must take the subject again in class.

RESIDENCE AND EXPENSES

College Houses. It is the desire of the authorities to provide for students in residence the refining influences of well-ordered homes, and without imposing needless restraint to give each student such supervision as earnest young women absent from home should receive. The college houses are not large, and it is proposed to constitute each household as far as may be like a private family; to this end each house will have a competent lady as its social and domestic head. The houses are handsomely furnished, and all the surroundings are as homelike and as slightly "institutional" in character as possible. For a description of the College Houses see below under Equipment.

Expenses. The charge for Tuition is $100 per year. There is a Library fee of $4 a year, and a Physical Training fee of $6 a year. In addition to this each new student pays an entrance fee of $5, and each Senior a diploma fee of $5. The Laboratory Fees are given in the statements of the science departments above. Books cost usually about $20 a year.

The charge for Board in a college house is $350; this includes room, table board and a limited amount of washing. Students desiring rooms must secure from the

Dean application blanks; on the return of the blanks with the $5 entrance fee, the rooms are reserved. Incoming students will receive the rooms reserved for them from the Mistress of the House. Students who remain in college during vacation are charged $8 a week board.

College Dues for tuition, board, etc., must be paid in advance in two equal instalments at the beginning of each term.

Anne Fitzhugh Miller Scholarship. This scholarship, the first to be given to William Smith College, was established in 1909 by Miss Anne Fitzhugh Miller of Geneva with a gift to the Corporation of $2,000. The incumbent of this scholarship must be a resident of Geneva, and the right of nomination to it is vested, in the first instance, in its founder.

EQUIPMENT

GROUNDS AND BUILDINGS

Smith Campus comprises about twenty-four acres, extending from Pulteney Street, the western boundary of Hobart College, up over the "Ridge" and down the western slope, fronting for a quarter of a mile on St. Clair Street. A large part of the grounds now included in Smith Campus were under careful cultivation as a private estate for nearly half a century before they were purchased by the College. In consequence the College succeeded to beautiful grounds with a wide expanse of lawn and a great variety of cultivated trees. The College Houses—Blackwell House and Miller House—and the Gymnasium are on the crest of the "Ridge", while Smith Hall is on the slope rising from Pulteney Street to the "Ridge". At the north-west corner of the Campus are two of the eight residences owned by the College and occupied by members of the Faculty.

Smith Hall, the main building of the College, stands well back on the Campus, facing on Pulteney Street. It is a three-story building, containing the lecture-rooms for the literary departments, a seminarium where special collections of books are gathered, administrative offices, and, on the second and third floors, the Biological and Psychological laboratories and lecture-rooms. The building was erected in 1908 and is named for the Founder of the College.

The James F. Demarest Memorial Library Building is a large stone edifice in the Early English style. The south

portion of the building was erected in 1885–6 from funds contributed principally by Mrs. Julia Douglas Merritt. The north portion was erected in 1895, through the liberality of Mrs. Agnes Demarest of Buffalo. To her gift for this purpose Mrs. Demarest soon after added a further sum equivalent to the cost of the portion of the building erected in 1885–6, making her total gift to the library fifty thousand dollars. This gift carried with it under the original arrangement of the Corporation the privilege of naming the building, all previous gifts becoming part of the library endowment fund. The total shelving capacity of the building is estimated at one hundred thousand volumes. The main floor is divided between alcoves and stacks.

Trinity Hall, on Main Street, which was finished in 1838, was a gift to Geneva College from the Protestant Episcopal Society for Promoting Religion and Learning. In 1901 this building was refitted as a Physics Building, and equipped with modern apparatus, which has been greatly augmented since.

Merritt Hall, also on Main Street, close to Trinity Hall, was erected in 1879–80 from funds furnished by various persons, the principal sum being a gift from Mrs. Julia Douglas Merritt through William B. Douglas. Since 1901 this building has been thoroughly equipped as a Chemical Laboratory.

Smith Observatory, which was erected on Castle Heights by Mr. William Smith in 1888 and maintained by him for many years, passed in 1906 into the possession of the College as a part of the Smith Foundation.

THE COLLEGE HOUSES

Elizabeth Blackwell House, which was opened in September, 1908, was named in honor of the late Dr. Elizabeth Blackwell, the first woman to take the degree of Doctor of Medicine, who received that degree from Geneva College in 1849. It is a large three-story building with heavy exterior brick walls, many interior brick partitions, double cement-deafened floors, etc. On the first floor are a drawing-room, a library, and a large study; the second and third floors contain students' rooms, those on the third floor being grouped about a central sitting-room which is lighted and ventilated from above. An auxiliary library has been established in Blackwell House. The views from this house in every direction are of exceptional variety and beauty, especially that from the great west window, which was furnished with plate glass through the kindness of Miss Anne Fitzhugh Miller—the first gift to William Smith College after its foundation.

Elizabeth Smith Miller House, the new Dormitory opened last September, was named in honor of Mrs. Elizabeth Smith Miller, a venerated citizen of Geneva, daughter of Gerritt Smith, and herself widely known for public service, especially in the cause of women. The building has four floors: on the ground floor are the dining-room, kitchen, pantries, etc.; the main floor has a hospitable hall and spacious drawing-room, besides the House Mistress' suite and a few students' rooms; the other two floors contain students' rooms, single, double, suites for two or suites for three. The furnishings and appointments have been completed with the greatest care.

THE LIBRARY

The Library contains fifty thousand volumes and over fifteen thousand pamphlets. The following special funds have been given to the Library for the purchase of books: (1) The Kendrick Metcalf fund, established in 1872 by the bequest of the late Rev. Professor Kendrick Metcalf, D.D.; (2) The Mrs. Louis D. Collins fund, established in 1890 by Mrs. L. D. Collins; (3) The Peter Richards fund, established in 1894 by the bequest of the late Peter Richards of Geneva; (4) The Arthur Cleveland Coxe, Jr., fund, established in 1895 by Alexander L. Chew, Esq., of Geneva, for the creation of a special collection of works on archæology, as a memorial of his grandson, Arthur Cleveland Coxe, Jr., a member of the class of 1897; (5) The Charles Delamater Vail fund of $5000, established in 1903 by Mrs. Charles D. Vail. In addition to these means of increase the Library has had the use, from time to time, of several considerable sums for the direct purchase of books; the latest gift of this kind was that made in September 1902, by Mrs. C. D. Vail, $1000 for immediate expenditure for the benefit of the departments of Chemistry, Physics, English and German. In 1907, the Library received by bequest the library of John Safford Fiske, Esq., of Alassio, Italy, a collection of 4,000 volumes, very rich in Romance literature and in art.

The Library is under the supervision of a Committee, consisting of the Librarian and six members of the Faculty. It is open during the greater part of every week-day. All books may be drawn for home use under prescribed regulations except illustrated works, books of special value, and works of general reference.

THE LABORATORIES

The Physical Laboratory occupies nearly the whole of Trinity Hall. On the second floor is a large lecture room, two stories high. The lecture desk is supplied with electricity, gas, air-blast and exhaust. The apparatus room contains an equipment of instruments of the latest design sufficient for the purposes of demonstration in the various branches of physics. On the ground floor are laboratory rooms specially designed for experimental work in dynamics, heat, light, sound, electricity and magnetism, photography and for other purposes. The training given in the Physical Laboratory, while not technical, is amply sufficient to prepare students for the advanced courses in the universities and technical schools.

The Chemical Laboratories occupy Merritt Hall. On the first floor are found the advanced laboratory, devoted to organic and special branches of chemistry, the chemical library, and balance room, the Professor's private laboratory and office, a laboratory of sanitary chemistry, a store-room and the analytical laboratory. The second floor is occupied by a laboratory for general chemistry which accommodates forty students, and a lecture room which seats about the same number. Between these two is a preparation and supply room. The basement laboratory is retained for special purposes. The equipment of all the laboratories is new and of modern construction. Facilities are at hand for pursuing work in both general and special branches of the subject.

The Biological Laboratories, lecture rooms, storerooms, etc., occupy the entire second floor with parts of

the third floor and basement of Smith Hall. The general laboratory, as well as those for special research, is equipped with the most modern apparatus and appliances for individual work. The aquarium and vivarium rooms are arranged for studying the life-activities of those forms selected for special investigation, and the Museum, which occupies a portion of the third floor, is not only devoted to an exhibition of typical forms and models, but also includes many local animals and plants, which collection will as soon as possible be made complete.

The Psychological Laboratory is situated on the third floor of Smith Hall. It consists of a number of rooms so constructed for psychological work as to ensure great quiet and freedom from disturbance. The arrangement of the rooms for work in vision has been copied after that of the University of Freiburg, and is particularly advantageous. There are also special rooms for work in physiological and comparative psychology, and for experiments in audition, a general laboratory and several small rooms in which experiments requiring especial quiet may be performed. Besides these there are a large lecture-room, a work-shop and a photographc dark room. The equipment is all new, of a high grade, and very complete, especially in demonstration apparatus, apparatus for work in vision and for the courses in experimental psychology.

SMITH OBSERVATORY

Smith Observatory is a strong tower seventeen feet in diameter and thirty-four feet in height, surmounted by a revolving dome. Below are a reception room and a

room for the meridian circle and the astronomical clock; above under the dome stands the large equatorial telescope, a refractor of ten inches aperture with a photographic lens of the same size. The telescope and dome were built by Warner and Swasey of Cleveland, Ohio, makers of the great Lick and Yerkes telescopes.

MUSEUM

The Biological and Geological Museum occupies a portion of Smith Hall. The extensive series of fossils and casts is designed to illustrate the evolution of plants and animals from the earliest strata to recent time. The collection of modern vertebrates is used for demonstration in work on classification, coloration, adaptation and distribution. This collection already contains several hundred birds and is expected soon to contain a complete representation of the local fauna.

The Geological Cabinet contains, besides the casts and fossils, extensive collections of minerals and ores. The Botanical Cabinet consists of an Herbarium of several thousand species, formerly the property of Rev. H. M. Denslow, mostly collected by Prof. Denslow in the North-Eastern States, but also enriched by specimens from the South and West, and from foreign countries. It serves admirably the purposes of demonstration, identification and work in systematic botany.

Mr. William Smith has recently presented to the Museum three hall cases containing valuable collections of birds, corals and shells. Mr. C. J. Hampton has given two birds of great interest in local ornithology, and many of the students have contributed specimens of the local fauna. Gifts to the Museum, especially to the collections of native vertebrates and structural demonstrations, will be welcome.

For the Ward casts and valuable additions to the Geological and Mineralogical Cabinet, including the upright cases, the College is indebted to the late Wm. B. Douglas, who added to these gifts a sum of money to be expended in the purchase of illustrative scientific works. The College is further indebted to the late Mrs. Julia Douglas Merritt for providing the wall cases for the Museum, and to the late James Simons of Geneva for valuable gifts and a bequest of money for cases.

GYMNASIUM

The Gymnasium is situated at the north of Blackwell House. It furnishes a clear floor space of over 1900 square feet, is 17 feet high to the under side of the trusses and 24 feet high to the roof. It contains an office for the Physical Director and a dressing room for the students. The walls and ceiling are painted white, thus giving good reflection, while a large number of windows, well distributed, give plenty of light and ventilation. The building is heated by steam, and lighted by electricity. The floor is of wood, giving a good surface for gymnastic games, class work or dancing. A thorough equipment of selected apparatus has been placed in the building. For the piano and pianola the students are indebted to Mrs. Charles D. Vail.

REGISTER OF STUDENTS, 1910-1911

JUNIORS

HELEN WOODWORTH ADDISON, *Arts*, . . Miller House
Seneca Falls, N. Y.

REBECCA EVERETT ANTONIDES, *Arts*, . . Miller House
Belmar, N. J.

FLORENCE MARIAN TAYLOR BYCE, *Arts*, . 279 Main St.
Cooperstown, N. Y.

JENNIE CUMMING, *Arts*, . . . 270 Washington St.
Geneva.

FRANCES BELLE EDDY, *Arts*, . . . Miller House
Geneva.

MARY EVANGELINE KEEFE, *Arts*, . . . Miller House
Dover, N. H.

FANNIE LOUISE LICHT, *Arts*, . . . 704 Main St.
Geneva.

ISABEL SLOANE LONG, *Scientific*, . . . Miller House
Wayne, Pa.

MARY COVELL LYON, *Arts*, ... Miller House
Batavia, N. Y.

GLADYS CAMPBELL MOYER, *Arts*, . . Miller House
Buffalo, N. Y.

MARTHA SIMPSON NUGENT, *Arts*, . . . Miller House
Waterloo, N. Y.

CATHERINE SUSAN OAKS, *Arts*, . . 189 Pulteney St.
Geneva.

EMILY WYBRANTS SMITH, *Arts*, ... Miller House
Brooklyn, N. Y.

ANNA MARIE SPORER, *Scientific*, . . . Miller House
Owego, N. Y.

LAURA LYONS TULETT, *Scientific*, . . 103 Pulteney St.
Waterloo, N. Y.

DAISY MAE WEEKS, *Scientific*, . . . Miller House
Marcellus, N. Y.

RHODA ERMINIE YERKES, *Scientific*, . . 58 Genesee St.
Geneva.

RUTH ARNOTT YOUNG, *Arts*, . . 47 N. Genesee St.
Geneva.

SOPHOMORES

MABEL ETTA FARNHAM, *Arts*, . . . Miller House
Elbridge, N. Y.

HELEN HAWTHORN, *Arts*, ... Miller House
Brooklyn, N. Y.

FRANCES ADELAIDE MURPHY, *Arts*, . . 44 Middle St.
Geneva.

JUNIA AGUSTA OHART, *Arts*, . . . Miller House
Depew, N. Y.

FAITH EMILIE OLMSTEAD, *Scientific*, . 218 Washington St.
Geneva.

LOUISE REYNOLDS PERRINE, *Arts*, . . Miller House
Manlius, N. Y.

GRACE CONSTANCE ISEULT PITTIS, *Arts*, . . Miller House
Plainfield, N. J.

ALIDA EMELINE RANDALL, *Special*, . . Miller House
Avoca, N. Y.

HARRIET JANET SMITH, *Arts*, ... 44 John St
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TERESSA CANDEE STEVENS, *Arts*, . . . Miller House
Norwich, Conn.

FRANCES LUNETTE TURGEON, *Arts*, . . Miller House
Lewiston, Me.

HELEN ELIZABETH YOUNG, *Scientific*, . 47 N. Genesee St.
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FRESHMEN

ANNIE LUCY BEVIER, *Arts*, . . . 220 High St.
Geneva.

ELEANOR CASTERLINE, *Arts*, . . . Miller House
Belmont, N. Y.

ELLA MAUDE CONGER, *Arts*, . . . Miller House
Buffalo, N. Y.

ANNA EGGLESTON, *Arts*, ... Miller House
Alden, N. Y.

MARY EDITH GALE, *Scientific*, . . 346 Pulteney St.
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KATHERINE ELIZABETH GRACEY, *Arts*, . 71 Hamilton St.
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EDNA LUCILLE MCGEE, *Scientific*, . . . 71 Main St.
Geneva.

SUSANNA HARRIET MOORE, *Scientific*, . . 108 North St.
Geneva.

HONORS, 1910

SOPHOMORE HONORS

HELEN WOODWORTH ADDISON, Seneca Falls, N. Y.,
Latin, German and English

MARY EVANGELINE KEEFE, Dover, N. H.,
German and English

MARY COVELL LYON, Batavia, N. Y.,
German and English

RUTH ARNOTT YOUNG, Geneva,
Latin, German, English and Biology

SOPHOMORE HONORABLE MENTION

JENNIE CUMMING, Geneva, Biology

ANNA MARIE SPORER, Owego, N. Y., French